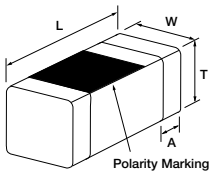
查询LL2012FHL供应商

The LL2012-FHL Series is a multilayer ceramic chip inductor with an EIA standard 0805 footprint, lead-free terminations, and expanded electrical specifications with respect to inductance and Q.



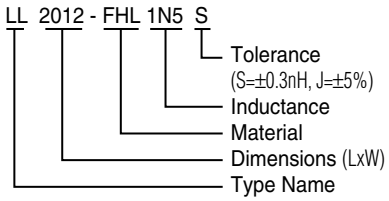
Unit: mm

Type	L (mm)	W (mm)	T (mm)	A (mm)
LL2012FHL	2.0±0.2	1.25±0.2	0.60±0.2	0.5±0.3
			0.85±0.3	
			1.00±0.3	
			1.20±0.3	

Features

- Inductance range: 1.5-680nH (E-12 Series)
- Miniature size: 0805 footprint (2mm x 1.2mm)
- Inductance specified at 100MHz and 800MHz
- Laminated ceramic allows high SRF
- Q: 49 ~ 96 typical (at 1800MHz)
- Temperature coefficient of inductance: +250ppm/°C
- Temperature range: –40°C to +100°C
- S-parameter data available upon request
- Packaged on tape in 4,000 (L ≤ 39nH) and 3,000 (L ≥ 47nH) piece quantities
- Reflow solderable
- Lead-free terminations

Part Numbering



STANDARD PARTS SELECTION GUIDE

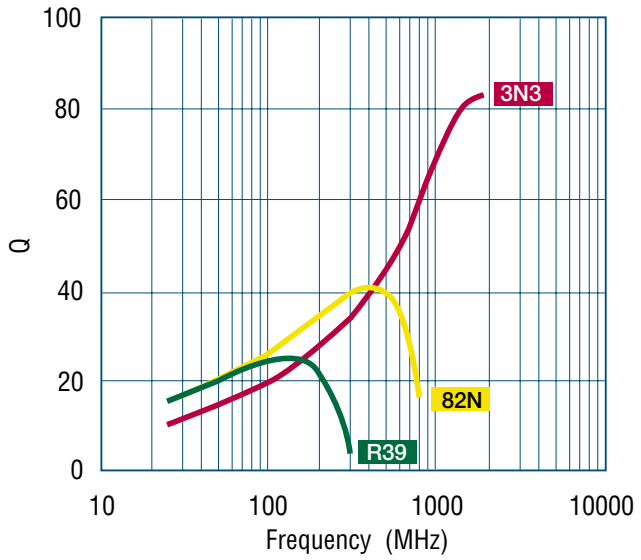
TYPE LL2012-FHL

TOKO Part Number	Inductance & Tolerance					Q min.	Q (Typ.)						SRF (MHz) min.	RDC (Ω) max.	IDC (mA) max.
	at 100MHz		at 800 (500, 300, 200) MHz												
	Lo (nH)	L Tol.*	Lo (nH)	L Tol.*	Freq. (MHz)	100 MHz	100 MHz	300 MHz	500 MHz	800 MHz	1000 MHz	1800 MHz			
LL2012-FHL1N5S	1.5	S	1.5	± 0.5nH	800	11	15.3	27.5	37.5	52.0	61.5	79.3	4000	0.10	300
LL2012-FHL1N8S	1.8	S	1.7	± 0.5nH	800	12	14.0	25.0	33.9	46.6	54.0	78.4	4000	0.10	300
LL2012-FHL2N2S	2.2	S	2.1	± 0.5nH	800	12	16.7	29.5	39.9	55.0	62.6	96.4	3800	0.10	300
LL2012-FHL2N7S	2.7	S	2.42	± 0.5nH	800	12	15.5	27.5	36.8	50.8	57.8	89.0	3600	0.10	300
LL2012-FHL3N3S	3.3	S	3.0	± 0.5nH	800	12	15.4	29.0	39.2	52.6	59.2	96.4	3400	0.10	300
LL2012-FHL3N9S	3.9	S	3.7	± 0.5nH	800	12	16.0	29.7	39.7	53.4	59.7	76.8	3200	0.10	300
LL2012-FHL4N7S	4.7	S	4.6	± 0.5nH	800	12	16.5	30.4	40.9	54.3	61.0	81.0	2800	0.12	300
LL2012-FHL5N6S	5.6	S	5.7	± 0.5nH	800	12	17.0	31.3	42.1	55.2	61.0	76.9	2800	0.15	300
LL2012-FHL6N8J	6.8	J	6.7	± 10%	800	12	18.7	33.3	44.6	58.1	63.9	89.7	2100	0.15	300
LL2012-FHL8N2J	8.2	J	8.2	± 10%	800	15	18.5	32.2	42.4	54.8	59.5	73.2	2000	0.18	300
LL2012-FHL10NJ	10	J	10.2	± 10%	800	15	18.9	33.7	44.4	56.9	61.5	75.7	1600	0.20	300
LL2012-FHL12NJ	12	J	12.7	± 10%	800	16	20.5	36.5	47.5	60.8	65.9	79.8	1350	0.22	300
LL2012-FHL15NJ	15	J	15.8	± 10%	800	16	22.1	39.5	51.5	64.2	68.2	67.9	1350	0.24	300
LL2012-FHL18NJ	18	J	19.5	± 10%	800	16	22.9	40.7	52.9	64.9	68.4	49.3	1200	0.26	300
LL2012-FHL22NJ	22	J	24.5	± 10%	800	16	21.6	38.0	48.6	56.8	57.4	—	1100	0.28	300
LL2012-FHL27NJ	27	J	31.2	± 10%	800	16	22.8	39.6	49.4	57.4	57.3	—	1100	0.30	300
LL2012-FHL33NJ	33	J	38.5	± 10%	800	16	23.0	39.9	49.9	55.6	54.4	—	1000	0.40	300
LL2012-FHL39NJ	39	J	50.7	± 10%	800	16	24.6	41.4	50.0	50.9	45.5	—	900	0.50	300
LL2012-FHL47NJ	47	J	63.9	± 10%	800	17	24.8	41.8	49.5	47.4	39.4	—	800	0.55	300
LL2012-FHL56NJ	56	J	62.7	± 10%	500	17	26.1	43.3	50.0	44.5	34.5	—	750	0.60	300
LL2012-FHL68NJ	68	J	80.3	± 10%	500	17	25.7	41.8	46.2	33.6	18.1	—	700	0.65	300
LL2012-FHL82NJ	82	J	103	± 10%	500	20	26.5	41.4	43.1	21.5	—	—	600	0.70	300
LL2012-FHLR10J	100	J	142	± 10%	500	20	27.7	43.3	41.4	—	—	—	550	0.80	300
LL2012-FHLR12J	120**	J	139	± 10%	300	16**	26.4	38.2	31.0	—	—	—	500	0.85	250
LL2012-FHLR15J	150**	J	173	± 10%	300	16**	29.2	40.3	29.6	—	—	—	450	0.90	250
LL2012-FHLR18J	180**	J	194	± 10%	200	10***	28.2	33.2	—	—	—	—	400	1.00	250
LL2012-FHLR22J	220**	J	234	± 10%	200	10***	25.1	32.8	—	—	—	—	360	3.00	200
LL2012-FHLR27J	270***	J	303	± 10%	200	11***	23.6	28.8	—	—	—	—	330	3.50	200
LL2012-FHLR33J	330***	J	382	± 10%	200	11***	26.0	28.6	—	—	—	—	300	4.00	150
LL2012-FHLR39J	390***	J	500	± 10%	200	11***	25.0	21.1	—	—	—	—	270	4.50	150
LL2012-FHLR47J	470***	J	—	—	—	11***	25.5	—	—	—	—	—	240	5.00	50
LL2012-FHLR56J	560***	J	—	—	—	11***	24.5	—	—	—	—	—	210	5.50	50
LL2012-FHLR68J	680***	J	—	—	—	11***	26.5	—	—	—	—	—	180	6.00	50

* Add tolerance to part number: S=±0.3nH, J = ±5%
**50MHz ***25MHz
Testing Conditions: (1) L,Q: Agilent 4291A/B (Test fixture Agilent 16192A) (2) SRF: Agilent 8719D, 8720D (3) RDC: Agilent 4338A/B

ELECTRICAL CHARACTERISTICS

Q vs. Frequency



Inductance vs. Frequency